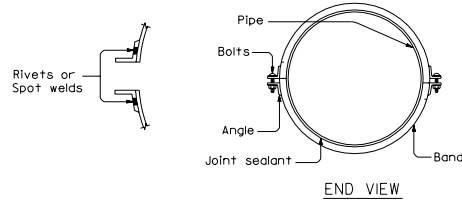




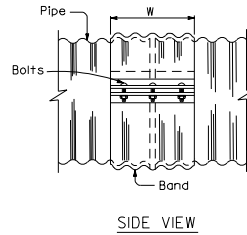
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER
 July 1, 1999
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

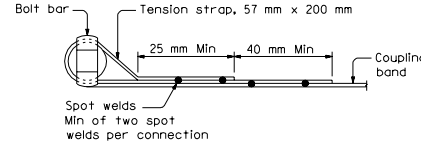
REGISTERED PROFESSIONAL ENGINEER
 Glenn D. Cow
 No. C34547
 Exp. 9-30-99
 CIVIL
 STATE OF CALIFORNIA



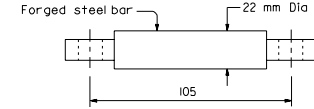
END VIEW
SIDE VIEW
ANNULAR BAND



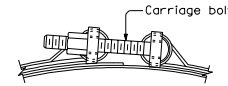
SIDE VIEW



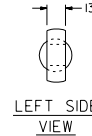
STRAP DETAIL



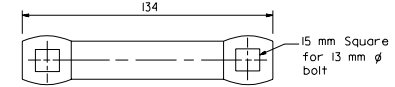
TOP VIEW



BOLT DETAIL



LEFT SIDE VIEW



FRONT VIEW

BAR DETAIL

BAR AND STRAP CONNECTOR

NOTES

- All ferrous metal coupling band connection hardware shall be galvanized or electroplated in accordance with the Standard Specifications.
- Dimensions and thicknesses shown are minimum.
- Spot welds shall develop minimum required strength of strap.
- Fillet welds of equivalent strength may be substituted for spot welds or rivets.

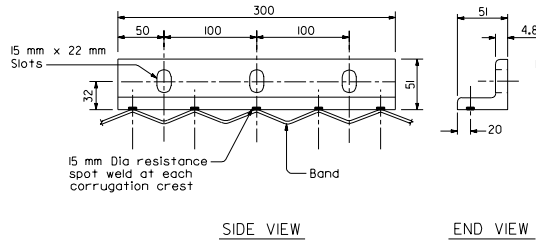
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CORRUGATED METAL PIPE COUPLING DETAILS NO. 1 ANNULAR COUPLING BAND BAR AND STRAP AND ANGLE CONNECTIONS

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

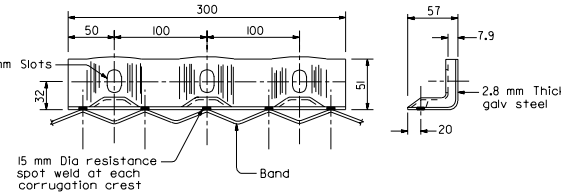
D97A



SIDE VIEW
END VIEW

51 mm X 51 mm X 4.8 mm ANGLE
See tables on Standard Plans D97E, D97F and D97G for width, W=305 mm shown

ANGLE CONNECTORS



SIDE VIEW
END VIEW

DIE-FORMED ANGLE

See tables on Standard Plans D97E and D97G for width, W=305 mm shown.
Alternate only for standard joints on pipes through 1800 mm diameter and downspouts through 600 mm diameter.